

2020 Fall Course List for Provisional Graduate Enrollment System

Graduate School	Department	Course Key	Course Title	Credits	Semester
Graduate School of Fundamental Science and Engineering	Department of Pure and Applied Mathematics	5101GA1004	Advanced Geometry	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Pure and Applied Mathematics	5101GA1012	Statistical Science B	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Pure and Applied Mathematics	5101GA1013	Statistical Science C	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Pure and Applied Mathematics	5101GA1015	Advanced Topics in Pure and Applied Mathematics B	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Pure and Applied Mathematics	5101GA1020	Advanced Number Theory	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Electronic and Physical Systems	5101GD1002	Introduction to Molecular Nano-engineering	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Electronic and Physical Systems	5101GD1004	Radio and Optical Converged Systems	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Electronic and Physical Systems	5101GD1005	System LSI Design and CAD	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Electronic and Physical Systems	5101GD1007	Nanobiotechnology Fusion Systems	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Electronic and Physical Systems	5101GD1008	Computational Experiments	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Electronic and Physical Systems	5101GD1009	Digital System Design	2	winter quarter
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1006	Distributed Embedded and Real-Time Processing	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1008	Information Retrieval	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1010	Advanced Intelligent Software	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1014	Multimedia and Standards	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1016	Cloud Systems	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1018	Advanced Wireless Access	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1020	Perceptual Computing	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1023	Digital System Design	2	winter quarter
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1029	Analysis of Networked Systems	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1032	Info-Telecommunication and the Standardization	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1034	Algorithms in Computational Biology	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1036	Design and Implementation of Programming Languages	2	fall semester
Graduate School of Fundamental Science and Engineering	Department of Computer Science and Communications Engineering	5101GF1041	Cryptographic Protocols and Blockchain Technologies	2	fall semester
Graduate School of Creative Science and Engineering	Department of Architecture	5201G01006	Advanced Topics in Architectural Design and Engineering B	2	fall semester
Graduate School of Creative Science and Engineering	Department of Earth Sciences, Resources and Environmental Engineering	5201GE1005	Advanced Topics in Aquatic Chemistry	2	fall semester
Graduate School of Creative Science and Engineering	Department of Earth Sciences, Resources and Environmental Engineering	5201GE1015	Physical Chemistry of Separation Technology	2	fall semester
Graduate School of Creative Science and Engineering	Department of Earth Sciences, Resources and Environmental Engineering	5201GE1029	Advanced Topics in Occupational Hygiene	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Pure and Applied Physics	5301GA1013	Nuclear Physics B	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Pure and Applied Physics	5301GA1025	Experimental High Energy Particle Physics D	2	an intensive course(fall)
Graduate School of Advanced Science and Engineering	Department of Pure and Applied Physics	5301GA1054	Particle Accelerator Applications	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Pure and Applied Physics	5301GA1058	Semiconductor Quantum Physics	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Pure and Applied Physics	5301GA1066	Physics of Non-Equilibrium Systems A	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Pure and Applied Physics	5301GA1070	Advanced radiation measurements	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Pure and Applied Physics	5301GA1074	Low-Dimensional Physics	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Chemistry and Biochemistry	5301GB1002	Advanced Electronic State Theory	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Chemistry and Biochemistry	5301GB1004	Advanced Functional Organic Chemistry	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Life Science and Medical Bioscience	5301GD1006	Advanced Topics on Biomolecular Assembly	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Life Science and Medical Bioscience	5301GD1014	Cytoskeletal Regulation	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Electrical Engineering and Bioscience	5301GE1002	Molecular Cell Biology	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Electrical Engineering and Bioscience	5301GE1007	Electronic Properties of Dielectrics	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Electrical Engineering and Bioscience	5301GE1010	Advanced Electric Power Devices and Machines	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Electrical Engineering and Bioscience	5301GE1014	Smart Grid and Frontiers in Electric Energy Systems	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Electrical Engineering and Bioscience	5301GE1018	Power System and Nuclear Power Generation Theory	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Integrative Bioscience and Biomedical Engineering	5301GF1001	Internal Organ Engineering	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Integrative Bioscience and Biomedical Engineering	5301GF1009	Science Communication II – Communication Theory of Team Work	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Integrative Bioscience and Biomedical Engineering	5301GF1011	Science Communication IV – Introduction to Team Work and Presentation Skills	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Integrative Bioscience and Biomedical Engineering	5301GF1016	Developmental Biology	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Integrative Bioscience and Biomedical Engineering	5301GF1017	Cell Biology	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Nanoscience and Nanoengineering	5301GG1002	Nanobiotechnology Fusion Systems	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Nanoscience and Nanoengineering	5301GG1003	Molecular Nanoengineering	2	fall semester
Graduate School of Advanced Science and Engineering	Department of Nanoscience and Nanoengineering	5301GG1004	Computational Experiments	2	fall semester